

Environment Setup

Environment Setup Play+ is an enterprise-grade design system delivered via a secure, private registry. This ensures high security, robust version control, and seamless integration within your internal infrastructure. This guide is divided into two parts:

Enterprise Setup : A one-time server configuration performed by system administrators.

Developer Setup : A self-service process for developers to configure their local environments.

1. Enterprise Setup (One-Time by Admin) ■ To make Play+ available to your development teams, your administrator must deploy the private registry using a pre-configured Docker image maintained by Ascendion. This section explains how to securely host the Play+ registry and make it accessible across your organization.

Deployment Requirements ■ Docker must be installed and running on the server.

Environment variables for your identity provider (IdP), such as Azure AD or Okta. Access to the ascendion/playplus-registry Docker image. Deploying the Private Registry ■ Run the following command, replacing the environment variables with your own values based on your SSO configuration.

```
docker run -d -p 4873:4873 \ -e  
"VERDACCIO_OAUTH_CLIENT_ID=your-client-id" \ -e  
"VERDACCIO_OAUTH_CLIENT_SECRET=your-client-secret" \ -e "VERDACCIO_OAUT  
H_DISCOVERY_URL=https://login.microsoftonline.com/your-tenant-id/v2.0/.well-known/o  
penid-configuration" \ ascendion/playplus-registry:latest
```

This command starts a private npm registry, configured to serve all @playplus/* packages. Once running, your administrator should share the registry URL (e.g., <https://play.contoso.com>) with your development teams.

What's Inside the Docker Image ■ The ascendion/playplus-registry Docker image is designed to be secure, self-contained, and ready for immediate use in enterprise environments. It includes:

- Verdaccio :** A lightweight, open-source private npm registry.
- OAuth2 Authentication :** Pre-configured for integration with identity providers such as Azure AD, Okta, and others, using the verdaccio-auth-oauth2 plugin.
- Play+ Packages :** Hosts all core packages including the component library, CLI tools, token system, and scaffolding templates.
- Secure Defaults :** Includes sensible enterprise-ready defaults such as HTTPS support and strict access control.

For more detailed configuration options or support for non-Azure identity providers, refer to internal documentation or contact the Play+ support team.

2. Developer Setup (Self-Service by Developers) ■ Once the private registry is deployed, developers can begin configuring their local machines to use Play+.

The setup process consists of two straightforward steps.

Step 1: Prepare Your Local Environment

- Before you connect to the Play+ registry, ensure your development environment includes the following tools: Node.js and npm
- Play+ is built on modern JavaScript standards and depends on Node.js and npm. Download the latest LTS version of Node.js from the official site . This also includes npm , the Node Package Manager. To verify installation, run: node --version npm --version npx (npm Package Runner)
- Our setup tool uses npx , which comes bundled with npm version 5.2 or later. It allows you to execute packages without globally installing them. Verify npx by running: npx --version Git (Recommended)
- Git is strongly recommended for version control. You can install it from git-scm.com , or use GUI tools like GitHub Desktop. Verify Git with: git --version Code Editor
- We recommend using Visual Studio Code for the best experience. The Play+ VS Code Extension is tailored for this editor and provides autocompletion, token lookup, and enhanced editing support. Terminal
- Use your system's native terminal: Windows : Command Prompt or PowerShell macOS : Terminal.app Linux : Any standard shell (e.g., bash, zsh)

Step 2: Connect to the Play+ Registry

- Once your environment is ready, you can connect to your organization's private Play+ registry with a single setup command.
- Running the Setup Script
- Run the following command in your terminal, replacing the registry URL with the one provided by your administrator: npx @playplus/setup --registry=https://play.contoso.com
- This script performs the following actions:

 - Configures .npmrc Adds the appropriate registry settings for the @playplus namespace, so npm knows where to fetch Play+ packages.
 - Authenticates with SSO Triggers an npm login flow, opening a browser window where you sign in using your company's identity provider.
 - Installs the Play+ CLI Installs or updates @playplus/cli globally so you can easily scaffold projects, preview components, and run development workflows.
 - Validates Access Confirms that your credentials are correct and that you can pull packages from the registry without issues.
 - After the script completes, your machine is fully configured to create and manage Play+ applications.

- Licensing and Usage Terms
- Play+ is licensed under an Enterprise License and is the exclusive intellectual property of Ascension . Use of the Play+ system, including all source code, tools, and distribution packages, is subject to the license agreements of Ascension.
- You are authorized to:

 - Use Play+ within the scope of approved projects
 - Customize and extend components for internal use
 - Integrate Play+ with private repositories and pipelines

- You are not authorized to:

 - Redistribute Play+ packages externally
 - Publish modified versions outside approved environments
 - Share registry credentials with third parties

- For compliance and legal guidance, please consult your

team's designated legal or procurement contact. Additional Resources ■ For Admins : Internal docs on configuring Okta or non-Azure IdPs For Developers : CLI usage, starter templates, and theming guides Support : Reach out via your company's Play+ support Slack channel or internal helpdesk Once set up, you'll be ready to develop with a system that brings design and engineering into joyful alignment. Welcome to Play+.

```
docker run -d -p 4873:4873 \
-e "VERDACCIO_OAUTH_CLIENT_ID=your-client-id" \
-e "VERDACCIO_OAUTH_CLIENT_SECRET=your-client-secret" \
-e "VERDACCIO_OAUTH_DISCOVERY_URL=https://login.microsoftonline.com/your-tenant-id/v2.0/.well-known/ascendion/playplus-registry:latest

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node --version
npm --version

---

npx --version

---

git --version

---

npx @playplus/setup --registry=https://play.contoso.com
```